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Terms	Documents
L1 same (L-amino acid)	11

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L2

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DATE: Monday, May 03, 2004 [Printable Copy](#) [Create Case](#)

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>			
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<u>L1</u>	carbamoylase	77	<u>L1</u>

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L2: Entry 6 of 11

File: USPT

Dec 2, 2003

DOCUMENT-IDENTIFIER: US 6656710 B2

TITLE: Process for the production of amino acids using racemase and acylase

Brief Summary Text (37):

Further acylases that may be used for the reaction are described in the following literature citations: Wakayama M, Yada H, Kanda S, Hayashi S, Yatsuda Y, Sakai K, Moriguchi M, Role of conserved histidine residues in D-aminoacylase from Alcaligenes xylosoxydans subsp. xylosoxydans A-6, Biosci. Biotechnol. Biochem. 2000 Jan;64(1):1-8; Wakayama M, Hayashi S, Yatsuda Y, Katsuno Y, Sakai K, Moriguchi M., Overproduction of D-aminoacylase from Alcaligenes xylosoxydans subsp. xylosoxydans A-6 in Escherichia coli and its purification, Protein Expr. Purif. 1996 Jun;7(4):395-9; Wakayama M, Katsuno Y, Hayashi S, Miyamoto Y, Sakai K, Moriguchi M., Cloning and sequencing of a gene encoding D-aminoacylase from Alcaligenes xylosoxydans subsp. xylosoxydans A-6 and expression of the gene in Escherichia coli, Biosci. Biotechnol. Biochem. 1995 Nov;59(11):2115-9; Wakayama M, Ashika T, Miyamoto Y, Yoshikawa T, Sonoda Y, Sak K, Moriguchi M.; Primary structure of N-acyl-D-glutamate amidohydrolase from Alcaligenes xylosoxydans subsp. xylosoxydans A-6, J. Biochem. (Tokyo). 1995 Jul;118(1):204-9; Chen HP, Wu SH, Wang KT., D-Aminoacylase from Alcaligenes faecalis possesses activities on D-methionine, Bioorg. Med. Chem. 1994 Jan;2(1):1-5; Moriguchi M, Sakai K, Miyamoto Y, Wakayama M., Production, purification, and characterization of D-aminoacylase from Alcaligenes xylosoxydans subsp. xylosoxydans A-6, Biosci. Biotechnol. Biochem. 1993 Jul;57(7):1149-52; Yang YB, Hsiao KM, Li H, Yano H, Tsugita A, Tsai YC, Characterization of D-aminoacylase from Alcaligenes denitrificans DA181, Biosci. Biotechnol. Biochem. 1992 Sep;56(9):1392-5; Tsai YC, Lin CS, Tsen TH, Lee H, Wang YJ, Production and immobilization of D-aminoacylase of Alcaligenes faecalis D for optical resolution of N-acyl-DL-amino acids, Enzyme Microb. Technol. 1992 May;14(5):384-9 Batisse N, Weigel P, Lecocq M, Sakanyan V., Two amino acid amidohydrolase genes encoding L-stereospecific carbamoylase and aminoacylase are organized in a common operon in Bacillus stearothermophilus, Appl. Environ. Microbiol. 1997 Feb;63(2):763-6; Yang YB, Hu HL, Chang MC, Li H, Tsai YC, Purification and characterization of L-aminoacylase from Alcaligenes denitrificans DA181, Biosci. Biotechnol. Biochem. 1994 Jan;58(1):204-5; Jakob M, Miller YE, Ro KH, Cloning and sequence analyses of cDNAs encoding aminoacylase I from porcine kidney, Biol. Chem. Hoppe Seyler. 1992 Dec;373(12):1227-31; Mitta M, Ohnogi H, Yamamoto A, Kato I, Sakiyama F, Tsunasawa S., The primary structure of porcine aminoacylase 1 deduced from cDNA sequence, Biochem. (Tokyo). 1992 Dec;112(6):737-42; Bommarius AS, Drauz K, Klenk H, Wandrey C., Operational stability of enzymes. Acylase-catalyzed resolution of N-acetyl amino acids to enantiomerically pure L-amino acids, Ann. N Y Acad. Sci. 1992 Nov 30;672:126-36; Gentzen I, Loffler HG, Schneider F., Aminoacylase from Aspergillus oryzae. Comparison with the pig kidney enzyme, Z. Naturforsch. [C]. 1980 Jul-Aug;35(7-8):544-50.

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Search Results - Record(s) 1 through 11 of 11 returned.

1. Document ID: US 20040043459 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 11

File: PGPB

Mar 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040043459

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040043459 A1

TITLE: Process for the production of amino acids

PUBLICATION-DATE: March 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bommarius, Andreas	Atlanta	GA	US	
Drauz, Karlheinz	Freigericht		DE	
Verseck, Stefan	Hanau		DE	

US-CL-CURRENT: 435/106; 435/170

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Draw Desc](#) [Image](#)

2. Document ID: US 20030175910 A1

L2: Entry 2 of 11

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030175910

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030175910 A1

TITLE: Whole cell catalyst

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Altenbuchner, Josef	Nufringen	GA	DE	
Bommarius, Andreas	Atlanta		US	
Mattes, Ralf	Stuttgart		DE	
Syldatk, Christoph	Stuttgart		DE	
Tischer, Wilhelm	Peissenberg		DE	
Wiese, Anja	Eching		DE	
Wilms, Burkard	Stuttgart		DE	

US-CL-CURRENT: 435/106; 435/228, 435/252.33

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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 3. Document ID: US 20030143244 A1

L2: Entry 3 of 11

File: PGPB

Jul 31, 2003

PGPUB-DOCUMENT-NUMBER: 20030143244

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030143244 A1

TITLE: Arthrobacter D-carbamoylase and methods of preparing enantiomerically enriched D-amino acids

PUBLICATION-DATE: July 31, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Drauz, Karlheinz	Freigericht	GA	DE	
May, Oliver	Frankfurt		DE	
Bommarius, Andreas	Atlanta		US	
Syldatk, Christoph	Stuttgart		DE	
Altenbuchner, Josef	Nufringen		DE	
Werner, Markus	Weinsberg		DE	
Siemann-Herzberg, Martin	Wildberg		DE	

US-CL-CURRENT: 424/190.1; 435/196, 435/252.3, 435/320.1, 435/69.3, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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 4. Document ID: US 20020090684 A1

L2: Entry 4 of 11

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090684

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020090684 A1

TITLE: Process for the production of amino acids

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bommarius, Andreas	Atlanta	GA	US	
Drauz, Karlheinz	Freigericht		DE	
Versteck, Stefan	Hanau		DE	

US-CL-CURRENT: 435/106; 435/233

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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5. Document ID: US 6713288 B1

L2: Entry 5 of 11

File: USPT

Mar 30, 2004

US-PAT-NO: 6713288

DOCUMENT-IDENTIFIER: US 6713288 B1

TITLE: Whole cell catalysts

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Dependencies	Claims	KMPC	Draw Desc	Image
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 6. Document ID: US 6656710 B2

L2: Entry 6 of 11

File: USPT

Dec 2, 2003

US-PAT-NO: 6656710

DOCUMENT-IDENTIFIER: US 6656710 B2

TITLE: Process for the production of amino acids using racemase and acylase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Dependencies	Claims	KMPC	Draw Desc	Image
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 7. Document ID: US 6352848 B1

L2: Entry 7 of 11

File: USPT

Mar 5, 2002

US-PAT-NO: 6352848

DOCUMENT-IDENTIFIER: US 6352848 B1

TITLE: Recombinant L-N-carbamoylase from Arthrobacter aurescens and method of producing L-amino acids therewith

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Dependencies	Claims	KMPC	Draw Desc	Image
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 8. Document ID: US 5608076 A

L2: Entry 8 of 11

File: USPT

Mar 4, 1997

US-PAT-NO: 5608076

DOCUMENT-IDENTIFIER: US 5608076 A

TITLE: Method of preparing amionoalkylhydantoins and aminoalkyl-alpha-amino acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Dependencies	Claims	KMPC	Draw Desc	Image
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 9. Document ID: WO 9951722 A2

L2: Entry 9 of 11

File: EPAB

Oct 14, 1999

PUB-NO: WO009951722A2

DOCUMENT-IDENTIFIER: WO 9951722 A2

TITLE: RECOMBINANT L-N-CARBAMOYLASE DERIVED FROM ARTHROBACTER AURESCENS, AND A METHOD FOR PRODUCING L-AMINO ACIDS BY USING THE SAME

h e b b g e e e f e ef b e

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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 10. Document ID: DE 19913741 A1

L2: Entry 10 of 11

File: EPAB

Oct 14, 1999

PUB-NO: DE019913741A1

DOCUMENT-IDENTIFIER: DE 19913741 A1

TITLE: New Arthrobacter aurescens recombinant L-N-carbamoylase, useful for production of amin acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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 11. Document ID: DE 19913741 A1, WO 9951722 A2, EP 1070132 A2, US 6352848 B1, JP

2002510484 W

L2: Entry 11 of 11

File: DWPI

Oct 14, 1999

DERWENT-ACC-NO: 1999-581864

DERWENT-WEEK: 200418

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TITLE: New Arthrobacter aurescens recombinant L-N-carbamoylase, useful for production of amin acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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